

Thermal insulation board made of rigid Polyisocyanurate (polyiso) foam lined on both sides with embossed aluminium.

Main applications

Thermal insulation of ventilate roofs.

Specification wording

The thermal insulation shall consist of a layer of ISOLPARMA ALISEO AA rigid PIR (Polyiso) foam boards, lined on both sides with 60 micron embossed aluminium foil.

Thermal conductivity λ_D of 0.024 W/mK according to UNI EN 13165
Board size mm ... x ... , Thickness mm..."

Sizes and packaging

The boards are supplied in a standard size of 1200x1020 mm, shrink wrapped in packages with PE foil.

Other board sizes are available on request t (minimum quantities apply).

The number of boards and the square metres in each package vary with board thickness (see table).

Thickness mm	Board size mm	p.cs/package	m ² /package	packages/pallet
50	1200x1020	4	4,90	10
60	1200x1020	3	3,67	10
80	1200x1020	4	4,90	7
100	1200x1020	3	3,67	7
120	1200x1020	2	2,448	9

ALISEO AA

Main applications



Micro-ventilated pitched roofs

CE marking



Polyisocyanurate Foam Insulation (PIR)

Accessories



Connection profile



Aluminium/butyle rubber



Spare profiles for tiles and shingles



Isoband for ventilated roof pitches



Polypropylene bird-stop profile



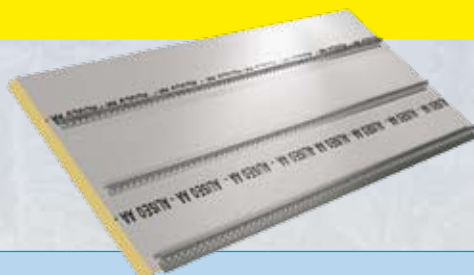
Metal bird-stop profile



Tile retainers



Ridge beam raisers



TECHNICAL DATA SHEET

UNI EN 13165

Properties	Code	Norm	Description	Value	Unit	
Density				30 - 35	kg/m ³	
Initial heat conductivity	$\lambda_{90/90,i}$	UNI EN 12667	Value measured at a mean temperature of 10 °C	0,023	W/mK	
Declared heat conductivity	λ_D	UNI EN 13165 Annexes A and C	Value measured at a mean temperature of 10 °C	0,024	W/mK	
Rated thickness	d_N	UNI EN 823	production standard	from 50 to 120	mm	
Declared heat resistance	R_d	UNI EN 12667	related to thickness (d) $R_d = d/\lambda_D$	mm 50	2,08	(m ² K)W
				mm 60	2,50	
				mm 80	3,33	
				mm 100	4,17	
				mm 120	5,00	
Resistance to compression	CS(10/Y)	UNI EN 826	compression to 10% of thickness	150	kPa	
Dimensional stability	DS(TH)	UNI EN 1604	test conditions: 48 h, 70 °C, 90% RH		%	
			linear variation	1		
			variation in thickness	4		
			test conditions: 48 h, -20°C			
			linear variation	0,5		
variation in thickness	1					
Fire rating	euroclass	UNI EN 13501-1		D		
Specific heat				0,400	kcal/kg°C	
Water absorption	WL(T)	UNI EN 12087	Total immersion for 28 days	< 1	%	
Resistance to water vapour diffusion	MU	UNI EN 12086		∞	μ	

Tolerances provided for by European Norm UNI EN 13165

On thickness	T2	UNI EN 13165	Thickness < 50 mm	± 2	mm
			Thickness > 50 and < 75 mm	± 3	
			Thickness > 75 mm	+ 5, -2	
On dimensions			Dimensions < 1000	± 5	mm
			Dimensions from 1000 to 2000	± 7,5	
			Dimensions from 2000 to 4000	± 10	
			Dimensions > 4000	± 15	

NOTES:

Temperature Stability: Isolparma Rigid Foam Boards are suitable for use within a range of continuous temperatures between -40 °C and + 110 °C. For very short periods of time they can also withstand temperatures up to + 200 °C, or the temperatures of molten bitumen. Long exposure to high temperatures may cause deformations of the foam or of the facing materials, but will not cause sublimation or melting.